

ABSTRACT OF THE DISCLOSURE

The method uses color to determine the wear of the
5 screw and barrel of the molding machine. The method
measures the color and/or color variation to determine
the wear. A first material of a first color and a second
material of a second color are fed into the machine to
create a third material with a third color. The third
10 material is either extruded to form a part or is injected
into a mold to form a part. The color of the part is
then measured with a measuring device, such as,
spectrophotometer. The color will change as the screw
and barrel wear. The color value would then be compared
15 with previous color values to determine the amount of
wear.

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